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March 13, 2020

**ITB 2020-025  
SOLOMONS ISLAND HEADWORKS PUMPING STATION UPGRADE  
CALVERT COUNTY, MARYLAND**

**QUESTIONS AND ANSWERS/CLARIFICATION NO. 1**

Following are questions and answers/clarification for the above-referenced Invitation to Bid. Acknowledge receipt of this document by executing the signature block provided on each page. **This completed and signed document should be included with your bid.** Failure to do so may subject bidder to disqualification.

1. 17100, 1.08 References Programming Services required by the CSI. Is the CSI only responsible for the test programs? Is the CSI required to provide the functional control logic programming? **CSI shall perform all programming services including functional control logic programming and operator interface terminal (OIT) programming as described in Section 17900 PCS Programming.**
2. 17480, 1.04, B., 1. Requires the Harmonics Filters be provided for each VFD and does not indicate any exceptions.  
17480, 1.04, B., 4. Includes the verbiage "should they be required as determined by the manufacturer and the electrical utility".

These are not indicated on the wiring diagram. Given that a harmonic analysis would be necessary to determine if filters are required. Can it be confirmed, whether or not, Harmonic Filters are required to be included in the bid for each and every VFD? **An active harmonic filter (AHF) shall be included in the Headworks Pumping Station for harmonics reduction. Refer to Addendum 1 for changes to Contract Drawings.**

CONTRACTOR'S LEGAL BUSINESS NAME: \_\_\_\_\_

AUTHORIZED SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

Mailing Address: 175 Main Street, Prince Frederick, Maryland 20678  
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3. 17480, 2.04, C., 9. Calls for Profibus communications. Can it be confirmed this is not required? We are assuming Ethernet/IP is the preferred communication protocol. **Confirmed; Profibus communications shall not be required.**
4. 17480, 2.04, C., Calls for Bypass Contractors and Isolation Contractors. Are these required? They are not indicated on the wiring diagram or the one-line diagram. **No, VFD bypass and isolation contactors are not required. Refer to Addendum 1 for changes to Contract Specifications.**
5. 17900, 3.10, B. has the statement "and as modified as per Calvert County Government." Who is responsible for these modifications, is the County performing the changes? **CSI shall be responsible for coordinating signal outputs from Pump Control Panel PLC to Mission RTU system.**
6. Drawing E011 has notes (7) and (8) on the RTU Elementary, but I do not see notes with those numbers on that drawing. **Refer to Addendum 1 for changes to Contract Documents.**
7. Drawing E011. The referenced drawing shows an Air Conditioner on the VFD Control Panel. Would NEMA 12 filtered ventilation fans be acceptable instead? **No. Filtered ventilation will not be an acceptable alternative to air conditioners.**

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